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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/737,480	12/18/2000	Fu-An Chuang	EM/CHUANG/6321	9310

7590 05/07/2004

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EXAMINER

HAN, CLEMENCE S

ART UNIT	PAPER NUMBER
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2665

DATE MAILED: 05/07/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.	Applicant(s)	
09/737,480	CHUANG ET AL.	
Examiner	Art Unit	
Clemence Han	2665	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 December 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12/18/2000 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Drawings

1. The drawings are objected to because an inconsistency in Figure 2, the label of S12, "mapping mapped signal", in particular. The specification teaches both step S12 and S15 as "mapping operation" (Page 4 Line 30 and Page 5 Line 6, respectively). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claim 1–3 are rejected under 35 U.S.C. 102(e) as being anticipated by Schindler et al. (US Patent 6,516,467).

In regarding to claim 1, Schindler teaches a method for receiving and converting transmission signals transmitted according to different protocols, comprising steps of: receiving a transmission signal; judging according to which

protocol the transmission signal is transmitted; and executing mapping operation corresponding to the transmission signal (Column 9 Line 66 – Column 10 Line 19).

In regarding to claim 2, Schindler teaches a device for receiving and converting transmission signals transmitted according to different protocols, the transmission signals coming from a remote controller 124 and a remote controlling keyboard 126, the device being mounted on an electronic product having a microprocessor unit 310, said device comprising: a signal receiver 324 serving to receive the transmission signals transmitted from the remote controller 124 and the remote controlling keyboard 126; a determination circuit serving to judge whether the transmission signal comes from the remote controller or the remote controlling keyboard; and a mapping/outputting circuit which according to the result of judgement of the determination circuit executes mapping operation for the received transmission signal and outputs the mapped transmission signal to the microprocessor unit for excessive, processing so as to control the responsive operation of the electronic product (Column 9 Line 66 – Column 10 Line 19).

In regarding to claim 3, Schindler teaches a signal transmitting/receiving system comprising: at least two signal transmitting devices 124, 126 for transmitting transmission signals according to different protocols; and a signal

receiving device for receiving and converting the transmission signals transmitted by the signal transmitting devices, the signal receiving device being mounted on an electronic product having a microprocessor unit 310, the signal receiving device including: a signal receiver 324 for receiving the transmission signals transmitted from the two signal transmitting devices; a determination circuit for judging from which signal transmitting device the transmission signal is transmitted; and a mapping/outputting circuit which according to the result of judgement of the determination circuit executes mapping operation for the received transmission signal and outputs the mapped transmission signal to the microprocessor unit for excessive processing so as to control the responsive operation of the electronic product (Column 9 Line 66 – Column 10 Line 19).

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following patents are cited to further show the state of the art with respect to the remote controller in general.

U.S. Patent 6,481,010 to Nishikawa et al.

U.S. Patent 6,457,069 to Stanley

U.S. Pub. 2004/0070687 to Voltz et al.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Clemence Han whose telephone number is (703) 305-0372. The examiner can normally be reached on Monday-Friday 8 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu can be reached on (703) 308-6602. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

C.H.
Clemence Han
Examiner
Art Unit 2665



HUY D. VU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600